

ABSTRACT

A system and method are disclosed for providing error correction in an imaging system.

The system includes an error determination unit for determining an amount of error associated with a spot at (x,y) in a binary pattern to be imaged, a determination unit for determining the

5 location of a nearest exposed spot at (x_i, y_i) for each spot at (x,y) , and a dose modification unit for modifying an exposure dose at the nearest exposed spot at (x_i, y_i) for each spot at (x,y) .